

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number:  
**WO 2005/016899 A1**

- 
- (51) International Patent Classification<sup>7</sup>: C07D 265/10
- (21) International Application Number: PCT/EP2004/007938
- (22) International Filing Date:  
16 July 2004 (16.07.2004)
- (25) Filing Language: German
- (26) Publication Language: German
- (30) Priority Data:  
103 36 716.0 11 August 2003 (11.08.2003) DE
- (71) Applicant (*for all designated States except US*): MERCK PATENT GMBH [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): DORSCH, Dieter [DE/DE]; Königsberger Str. 17a, 64372 Ober-Ramstadt (DE). CEZANNE, Bertram [DE/DE]; Bahnstrasse 74, 64546 Mörfelden-Walldorf (DE). MEDERSKI, Werner [DE/DE]; Katzelenbogenweg 1, 64673 Zwingenberg (DE). TSAKLAKIDIS, Christos [GR/DE]; Im Langgewann 54, 69469 Weinheim (DE). WURZIGER, Hanns [DE/DE]; Greinstrasse 7b, 64291 Darmstadt (DE).
- (74) Common Representative: MERCK PATENT GMBH; Frankfurter Strasse 250, 64293 Darmstadt (DE).
- (81) Designated states (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated states (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*
- 

(54) Title: PROCESS FOR THE PREPARATION OF N-ARYLMORPHOLINONES

(57) Abstract: Process for the preparation of compounds of the formula (I) in which X has the meaning indicated in Patent Claim 1, and precursors thereof.